

# SJV 1973 Index

## How to Use This Index

The following index of the seventh volume of SJV is divided into three parts. The first is a chronological listing of issues with titles of articles and the authors listed in order of presentation. The second part is a subject index of key words and the third is an alphabetical index of authors. The author and key-word indices refer to the chronological listing of titles by monthly issue and page number. Only technical articles have been indexed.

Limited quantities of most back issues of SJV are available at \$1.00 per copy. Please send your order with remittance or company purchase order to: Sound and Vibration, 27101 East Oviatt Road, Bay Village, OH 44140. All back issues including those that are out of print are available in microfilm or photo copy from: University Microfilms, 300 North Zeeb Road, Ann Arbor, MI 48106.

## Title Index to Volume 7

### Jan., 1973

SJV 1972 Index, 4.

Noise Control Design Using Scale Model Tests, T. S. Katra and D. B. King, 14. Noise Level Specifications for Machinery and Equipment, C. Ebbing and P. B. Ostergaard, 22.

### Feb., 1973

Measuring Reverberation Time with Pulsed Noise, D. L. Silsbee, 4. The Effect of Ambient Noise on Audiometric Room Selection, M. Hirschorn and E. Singer, 18. A Single Number Rating for Effective Noise Reduction, C. K. Barton, 23. Audiometry in Industry, C. I. Barron, M. Logan and L. Johnson, 26.

### March, 1973

Dynamic Analysis for Machine Design, W. Hawkins, Jr. 4. Noise Reduction of a Consumer Electric Clock, W. M. Viebrock and M. J. Crocker, 22. Noise Reduction of a Household Vacuum Cleaner, D. R. Tree and W. P. Uffman, 27. Noise Control in Home Appliances, M. C. C. Tsao and R. S. Musa, 31.

### April, 1973

A New Digital Transient Recorder, 4. 4th Annual Dynamic Measurement Instrumentation Buyer's Guide, 12. Radio Telemetry for Strain Measurements in Turbines, V. Donato and S. P. Davis, 28. Mechanical Signature Analysis, A. S. Babkin and J. J. Anderson, 35. Noise Data Recording and Computer-Controlled Analysis, F. M. Kessler, 43.

### May, 1973

EPA Implementation Plans for the Noise Control Act of 1972 (PL 92-574), 4. Urban Planning and Noise Control, C. R. Bragdon, 26. Noise Source Impact In: Construction/Buildings/Homes, E. K. Bender, 33.

### October, 1973

EPA Proposed Certification Procedures for Interstate Motor Carriers, SJV News.

Transportation Noise—Its Measurement and Evaluation, J. Donavan and T. Ketcham, 4.

Aircraft Noise Reduction—Alternatives Versus Cost, H. B. Safeer, 22.

Technical Basis for Motor Carrier and Railroad Noise Regulations, W. H. Close and T. Atkinson, 28.

The Making of a Noise Control Regulation, H. M. Rupert and J. E. Wesler, 34.

### November, 1973

NOISEXPO Conference Successful, 4. Isograms Show Sound-Level Distributions in Industrial Noise Studies, D. W. Merritt and R. R. James, 12.

Miniature Microphone Allows Optimum Placement for Noise Exposure Measurements, 18.

Revised OSHA Noise Regulations, J. H. Botsford, 24.

GM's Noise Control Program, W. L. Van Tiffin, 29.

How to Estimate dBA Reduction of Ear Protectors, J. H. Botsford, 32.

Low-Cost Acoustical Enclosure for a Wood Planer, T. L. Walker and K. T. Feldman, 34.

### December, 1973

Municipal Noise Ordinances, C. R. Bragdon, 18.

Manual Traffic Noise Sampling—Can It Be Done Accurately? J. F. Yerges and J. Bollinger, 25.

Noise Burden Factor—A New Airport Noise Rating, E. J. Richards and J. B. Ollerhead, 33.

City Noise Ordinances—A Status Report, C. R. Bragdon, 36.

## Author Index to Volume 7

Adams, J. V.: May—42.

Anderson, J. J.: Apr.—35.

Atkinson, T.: Oct.—28.

Babkin, A. S.: Apr.—35.

Barton, C. K.: Feb.—23.

Barron, C. L.: Feb.—26.

Bender, E. K.: May—33.

Bollinger, J. G.: Dec.—25.

Botsford, J. H.: Nov.—24; 32.

Bragdon, C. R.: May—45; Dec.—18; 36.

Caccavari, C.: May—42.

Close, W. H.: Oct.—28.

Crocker, M. J.: Mar.—22.

Curtis, J.: May—49.

Davis, S. P.: Apr.—28.

Donato, V.: Apr.—28.

Donavan, J.: Oct.—4.

Ebbing, C.: Jan.—22.

Feldman, K. T.: Nov.—34.

Gallagher, A. P.: Jun.—6.

Hamid, M. A. K.: Jul.—20.

Heizman, C. L.: Jul.—8.

# SJV 1973 Index

## How to Use This Index

The following index of the seventh volume of SJV is divided into three parts. The first is a chronological listing of issues with titles of articles and the authors listed in order of presentation. The second part is a subject index of key words and the third is an alphabetical index of authors. The author and key-word indices refer to the chronological listing of titles by monthly issue and page number. Only technical articles have been indexed.

Limited quantities of most back issues of SJV are available at \$1.00 per copy. Please send your order with remittance or company purchase order to: Sound and Vibration, 27101 East Oviatt Road, Bay Village, OH 44140. All back issues including those that are out of print are available in microfilm or photo copy from: University Microfilms, 300 North Zeeb Road, Ann Arbor, MI 48106.

## Title Index to Volume 7

### Jan., 1973

SJV 1972 Index, 4.

Noise Control Design Using Scale Model Tests, T. S. Katra and D. B. King, 14. Noise Level Specifications for Machinery and Equipment, C. Ebbing and P. B. Ostergaard, 22.

### Feb., 1973

Measuring Reverberation Time with Pulsed Noise, D. L. Silsbee, 4. The Effect of Ambient Noise on Audiometric Room Selection, M. Hirschorn and E. Singer, 18. A Single Number Rating for Effective Noise Reduction, C. K. Barton, 23. Audiometry in Industry, C. I. Barron, M. Logan and L. Johnson, 26.

### March, 1973

Dynamic Analysis for Machine Design, W. Hawkins, Jr. 4. Noise Reduction of a Consumer Electric Clock, W. M. Viebrock and M. J. Crocker, 22. Noise Reduction of a Household Vacuum Cleaner, D. R. Tree and W. P. Uffman, 27. Noise Control in Home Appliances, M. C. C. Tsao and R. S. Musa, 31.

### April, 1973

A New Digital Transient Recorder, 4. 4th Annual Dynamic Measurement Instrumentation Buyer's Guide, 12. Radio Telemetry for Strain Measurements in Turbines, V. Donato and S. P. Davis, 28. Mechanical Signature Analysis, A. S. Babkin and J. J. Anderson, 35. Noise Data Recording and Computer-Controlled Analysis, F. M. Kessler, 43.

### May, 1973

EPA Implementation Plans for the Noise Control Act of 1972 (PL 92-574), 4. Urban Planning and Noise Control, C. R. Bragdon, 26. Noise Source Impact In: Construction/Buildings/Homes, E. K. Bender, 33.

### October, 1973

EPA Proposed Certification Procedures for Interstate Motor Carriers, SJV News.

Transportation Noise—Its Measurement and Evaluation, J. Donavan and T. Ketcham, 4.

Aircraft Noise Reduction—Alternatives Versus Cost, H. B. Safeer, 22.

Technical Basis for Motor Carrier and Railroad Noise Regulations, W. H. Close and T. Atkinson, 28.

The Making of a Noise Control Regulation, H. M. Rupert and J. E. Wesler, 34.

### November, 1973

NOISEXPO Conference Successful, 4. Isograms Show Sound-Level Distributions in Industrial Noise Studies, D. W. Merritt and R. R. James, 12.

Miniature Microphone Allows Optimum Placement for Noise Exposure Measurements, 18.

Revised OSHA Noise Regulations, J. H. Botsford, 24.

GM's Noise Control Program, W. L. Van Tiffin, 29.

How to Estimate dBA Reduction of Ear Protectors, J. H. Botsford, 32.

Low-Cost Acoustical Enclosure for a Wood Planer, T. L. Walker and K. T. Feldman, 34.

### December, 1973

Municipal Noise Ordinances, C. R. Bragdon, 18.

Manual Traffic Noise Sampling—Can It Be Done Accurately? J. F. Yerges and J. Bollinger, 25.

Noise Burden Factor—A New Airport Noise Rating, E. J. Richards and J. B. Ollerhead, 33.

City Noise Ordinances—A Status Report, C. R. Bragdon, 36.

## Author Index to Volume 7

Adams, J. V.: May—42.

Anderson, J. J.: Apr.—35.

Atkinson, T.: Oct.—28.

Babkin, A. S.: Apr.—35.

Barton, C. K.: Feb.—23.

Barron, C. L.: Feb.—26.

Bender, E. K.: May—33.

Bollinger, J. G.: Dec.—25.

Botsford, J. H.: Nov.—24; 32.

Bragdon, C. R.: May—45; Dec.—18; 36.

Caccavari, C.: May—42.

Close, W. H.: Oct.—28.

Crocker, M. J.: Mar.—22.

Curtis, J.: May—49.

Davis, S. P.: Apr.—28.

Donato, V.: Apr.—28.

Donavan, J.: Oct.—4.

Ebbing, C.: Jan.—22.

Feldman, K. T.: Nov.—34.

Gallagher, A. P.: Jun.—6.

Hamid, M. A. K.: Jul.—20.

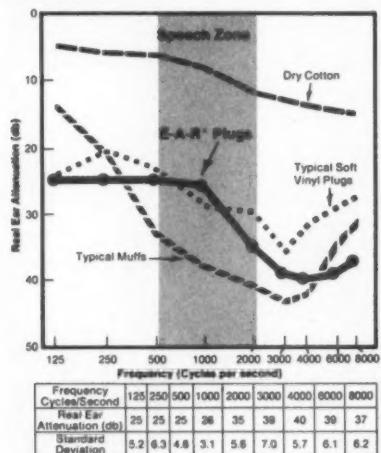
Heizman, C. L.: Jul.—8.



# New E-A-R Plugs\* solve four critical problems connected with your hearing protection program



1. Fit
2. Comfort
3. Attenuation
4. Cost



E-A-R® Plugs attenuate noise at the dangerous, high frequency range. But at lower frequencies, in the human voice range—they allow sufficient passage of speech sounds so that words of instruction get through to the wearer. The above chart shows results of a subjective test made according to A.N.S.I. Bulletin Z24.22-1957.

**IR-100 AWARD:** Industrial Research magazine has designated E-A-R Plugs as one of the most significant new technical products of 1972. **FREE SAMPLES:** sent upon request. (*tell us what you need*)

\*Patent Pending

**E-A-R**  
CONCORD ROAD  
BILLERICA, MA 01821  
TEL. (617) 667-8521

ONE OF THE BUSINESSES OF NATIONAL RESEARCH CORPORATION  
A SUBSIDIARY OF CABOT CORPORATION

Circle 110 on Reader-Service Card

Hirschorn, M.: Feb.—18.  
Hochheiser, R. M.: Aug.—22.  
Hurlburt, R. L.: May—42.

James, R. R.: Nov.—12.  
Johnson, L.: Feb.—26.  
Jones, R. E.: Sep.—30.

Katra, T. S.: Jan.—14.  
Kessler, F. M.: Apr.—43.  
Ketcham, T.: Oct.—4.  
King, D. B.: Jan.—14.

Logan, M.: Feb.—26.

Merritt, D. W.: Nov.—12.  
Miles, R. C.: Jul.—27.  
Musa, R. S.: Mar.—31.

Ollerhead, J. B.: Dec.—33.  
Ostergaard, P. B.: Jan.—22.

Patil, P. G.: Sep.—36.

Richards, E. J.: Dec.—33.  
Rupert, H. M.: Oct.—34.

Sabine, H. J.: Sep.—26.  
Safeer, H. B.: Oct.—22.  
Salerno, C. M.: Aug.—22.  
Sauer, R.: May—49.  
Seibold, J. G.: Jun.—16.  
Silsbee, D. L.: Feb.—4.  
Singer, E.: Feb.—18.

Tatge, R. B.: Jun.—23.  
Thoma, F. A.: Jun.—20.  
Tree, D. R.: Mar.—27.  
Tsao, M. C. C.: Mar.—31.

Uffman, W. P.: Mar.—27.

Van Tiffin, W. L.: Nov.—29.  
Viebrock, W. M.: Mar.—22.

Walker, T. L.: Nov.—34.  
Wesler, J. E.: Oct.—34.

Yerges, J. F.: Dec.—25.  
Yerges, L. F.: Aug.—18.  
Young, R. W.: Jun.—4.

## Subject Index to Volume 7

Absorption, sound: Sep.—10.  
Aircraft: Oct.—4, 22; Dec.—33.  
Airport: Dec.—33.  
Analysis: Mar.—4, 27, 31; Apr.—35, 43; Jul.—8.  
Annoyance: Sep.—30; Dec.—33.  
Appliances: Mar.—31; May—33.  
Attenuation: Feb.—23; Nov.—32.  
Audiometry: Feb.—18, 26.

Bearing: Apr.—35.  
Burner: Jun.—16.

Cleaner, vacuum: Mar.—27.  
Clock: Mar.—22.  
Community: May—26, 42; Dec.—18, 36.  
Compressor: Jan.—14; Jun.—6.  
Computer: Feb.—23; Apr.—43; Jun.—6; Jul.—8; Nov.—12.  
Construction: May—33.  
Control noise: Aug.—18.  
Control vibration: Aug.—18.  
Covering: Jan.—14

Criteria: Jun.—4.  
Damping, vibration: Jul.—20, 27.  
Digital: Apr.—4; Jul.—8.  
Duct: Jul.—20.

Ear Protector: Feb.—23; Nov.—32.  
Enclosure: Nov.—29, 34.

Fan: Jun.—16.

Gear: Mar.—22; Jun.—20.

Hearing: Feb.—26; May—49; Jun.—4.  
Highway: Oct.—28, 34.

Impact: May—33.  
Isolation, vibration: Aug.—22.

Machine: Jan.—22; Mar.—4.  
Machinery: Aug.—22.  
Measurement, noise: Jan.—22; Apr.—43; Oct.—4; Nov.—12; Dec.—25.  
Measurement, reverberation: Feb.—4.  
Measurement, vibration: Apr.—28, 35.  
Microphone: Nov.—18.  
Modeling: Jan.—14.  
Monitoring: Jan.—14; Nov.—18.  
Motor, electric: Jun.—16.  
Muffler: Jan.—14; Jun.—6; Nov.—29.

NOISEXPO: Sep.—44; Nov.—4.

Office: May—33; Sep.—26.  
Ordinance: May—26, 42, 45; Dec.—18, 36.  
OSHA: Jun.—4; Nov.—12, 18, 24.

Piping: Jan.—14; Jun.—16.  
Planer, wood: Nov.—34.  
Planning: May—26.  
Power plant: Jun.—23.  
Principles: Aug.—18.  
Privacy: Sep.—30.  
Product director: Apr.—12; Jul.—4; Aug.—4.

Railroad: Oct.—28.  
Rating: Feb.—23.  
Recorder: Apr.—4.  
Regulations: May—4; Jun.—4; Oct.—4, 22, 28, 34; Nov.—12, 18, 24.  
Residence: May—33; Sep.—30.  
Reverberation: Feb.—4.  
Reverberation chamber: Feb.—4.  
Roof: Sep.—10.  
Room, audiometric: Feb.—18.

School: May—33.  
Snowmobile: May—49.  
Specification: Jan.—22; Nov.—29.  
Spectrum: Mar.—4, 27, 31; Apr.—35.  
Standard: Jan.—22; May—26; Jun.—20; Sep.—26; Oct.—4, 34.

Telemetry: Apr.—28.  
Testing: Sep.—30; Oct.—4.  
Transient: Apr.—4.  
Traffic: Oct.—4; Dec.—25.  
Truck: Oct.—28.  
Turbine: Jan.—14; Apr.—28; Jun.—16, 23.

Valve: Jun.—16.  
Vent: Jan.—14.  
Ventilation: Jul.—20.  
Vibration: Jun.—20; Jul.—8, 20, 27.

Wall: Sep.—10.  
Window: Sep.—36.

